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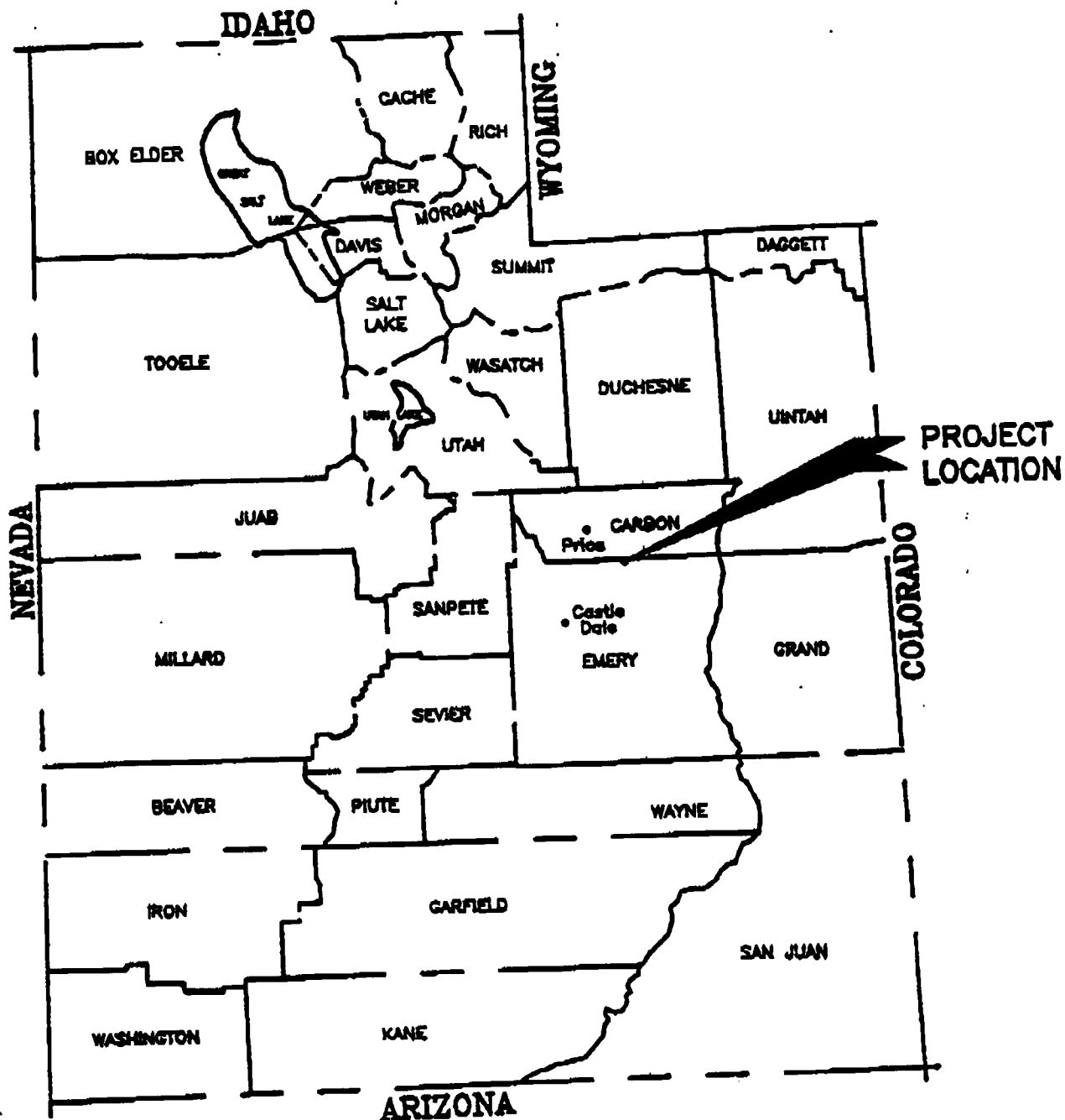
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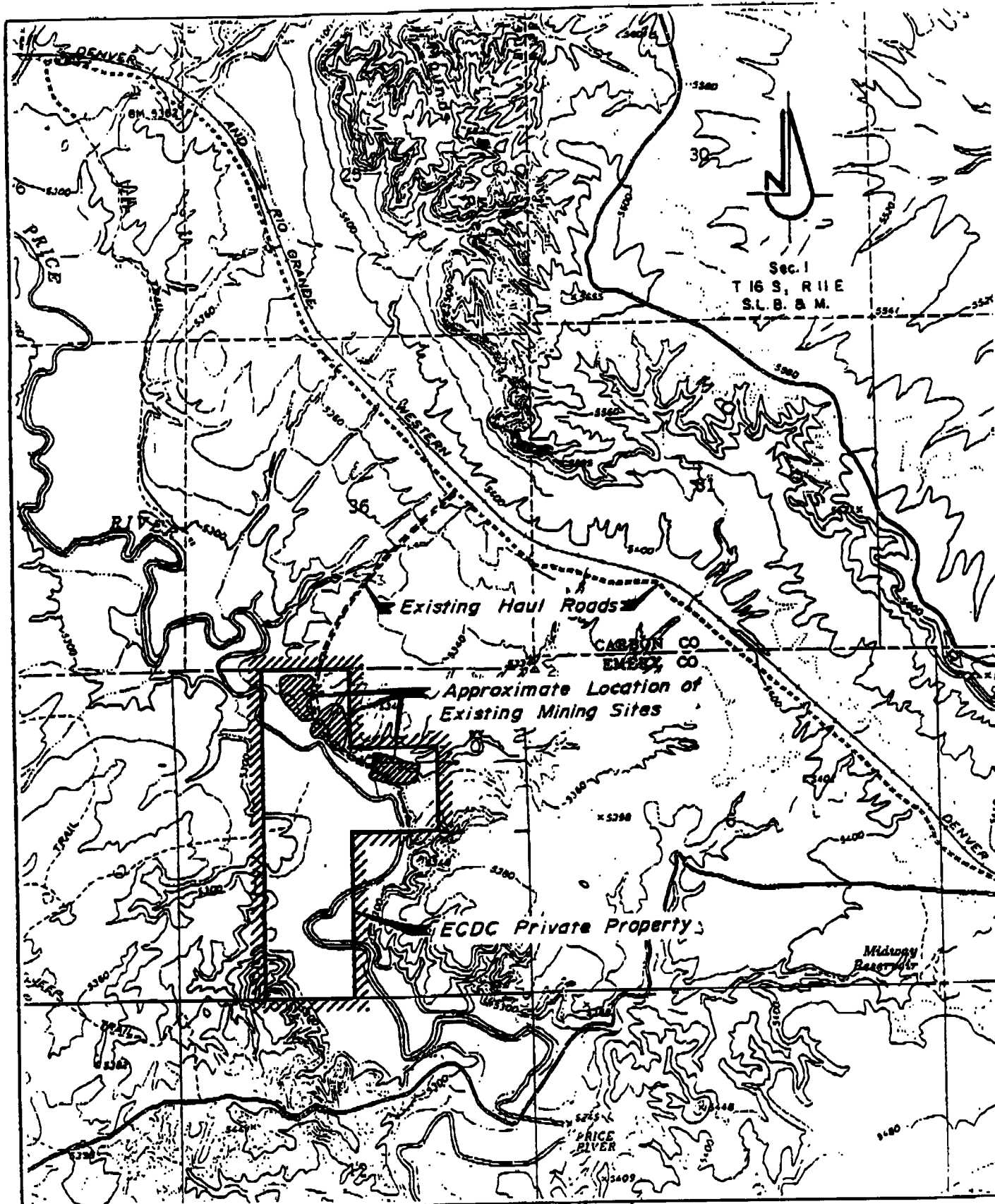
**DIVISION OF
OIL, GAS AND MINING**



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MINE
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**MINE SITE PLAN
for
EMERY COUNTY PLANNING AND ZONING DEPARTMENT
MARCH 1993**

Overview

The East Carbon Development Corporation (ECDC) has contracted with East Carbon Constructors to excavate and haul approximately 130,000 cubic yards of clay from private property in Emery County. The mine location will be within the E $\frac{1}{2}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, and SW $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 1, Township 16S, Range 11E, SLB&M. The location and outline of the mine property is shown on Exhibit I and Exhibit II.

Purpose and Scope

The purpose of the mining operation is to excavate the natural source of clay material that exists at or near the natural ground surface and varying to a depth of several feet. After excavation, the clay material will be processed through a crushing and screening operation on-site and will then be hauled approximately 18 miles along existing county and state roads to the ECDC landfill near East Carbon for use as cover material at the landfill.

The disturbed area of mining at any one time will not exceed 20 acres. The intent is to attain high volume production with minimal disturbance. A reclamation and re-vegetating process will be on-going as the mining operation moves from one location to another at the mine property.

Economic Impact

It is anticipated that the on-site mining operation will employ approximately 6 people along with and additional work force of approximately 15 truck drivers who will be hauling the clay to the landfill. Two trucking companies from Emery County have been used in past hauling operations and it is expected that these same companies will be used for this mining operation to haul the

clay. As a result of this operation, a significant positive impact will be created for the local economy.

The payroll for this operation is forecasted to be approximately \$3,600.00 per week for the on-site crusher crew and approximately \$8,000.00 per day for the trucking companies. It is anticipated that a maximum of 15 trucks will be hauling clay at any one time.

Equipment

The projected type and amount of equipment required for use in this operation will be as follows: (1) crusher, (1) 988 loader, (1) D-9 dozer, (1) 14 blade, (1) water truck, and possibly (2) scrapers.

Reclamation, Dust Control, Public Safety

As stated earlier, a reclamation plan will be implemented at the mining site to reshape slopes, replace any salvaged topsoil and revegetate the areas disturbed. Any highwalls created during the mining operation will be regraded to 3:1 or flatter slopes or to the approximate original contours, and all disturbed areas will then be drill-seeded or broadcast-seeded with native and adaptable species of vegetation. All trash and debris will be removed from the mining site during the reclamation process.

Dust control at the mining site will be accomplished with water applied to the critical areas from a water truck. It is the intent of the contractor to pump water from the nearby Price River for this operation. The contractor will obtain the permits, water rights, and approvals necessary from the State of Utah and local water users prior to any use of the water. Any riparian areas along the river will not be disturbed with this operation. The contractor will also obtain the necessary air quality permits, if needed, from the local and/or State health departments.

The dust control for the haul roads will be accomplished with the application of magnesium chloride where needed. It is also planned to use existing stockpiled bank-run gravel that has previously been stripped as overburden from the clay sources to plate the existing county owned haul road from the mine site to Mounds Area railroad crossing. This procedure will improve the quality of the road. The location of the haul road is shown on Exhibit II.

Weekly safety meetings will be conducted with all employees at the mining operation. Occupational Safety and Health Administration (OSHA) safety guidelines will be followed throughout the operation of the mining activity.

Plot Plan

A plot plan with pre-mining contours is shown on Exhibit III. Illustrated on the plot plan is the approximate initial location of the crusher, location of haul roads, initial development areas and other pertinent facilities. Also illustrated on Exhibit III is the approximate location and configuration of the existing disturbed area that will be used for the initial mining operation. The total surface area of this disturbance is approximately 16 acres.

Present Development and Future Plans

It is anticipated that approximately 130,000 cubic yards of clay material will be excavated from this mining area over a period of 90 days. The start time of the mining activity is projected to be April 15, 1993 or as soon thereafter as all permits and approvals can be obtained. It is proposed to mine the clay source from any or all of the existing disturbed areas as shown on Exhibit III. Future mining operation plans at this site have not been determined at this time.